



# SCB/SCC series

## Specification Grade Discrete Plug-in Time Delay Relay

- On-Delay, Off-Delay and Interval timing modes
- 13 timing ranges from 0.1 sec. to 60 min.
- 10A DPDT output contacts
- Knob, fixed or external timing adjustment.
- Rated for pilot duty
- Premium components

File E60363

CE

File LR51332

File E60363 (SCC only)

Users should thoroughly review the technical data before selecting a product part number. It is recommended that user also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

### Timing Modes

On-Delay, Off-Delay and Interval.

### Timing Specifications

**Timing Ranges:** 6 to 180 cycles; 0.1 to 3 / 0.1 to 10 / 0.33 to 10 / 1 to 30 / 4 to 120 sec.; 0.33 to 10 / 1 to 30 / 2 to 60 min.; 0.33 to 10 hr. (All are +5%, -0% of maximum values).

**Timing Adjustment:** Knob or fixed time (internal fixed resistor) – all models; customer supplied external potentiometer or resistor – On-Delay and Interval models only.

**Accuracy:** Repeat Accuracy: ±0.5% ±0.004 sec.  
Overall Accuracy: ±2% max.

**Reset Time:** 25 ms.

**Relay Operate Time:** Off-Delay mode: 30 ms; Interval mode: 20 ms..

**Relay Release Time:** On-Delay mode only: 15 ms.

### Contact Data @25°C

**Arrangements:** 2 Form C (DPDT).

**Rating:** 10A @28VDC or 120VAC, resistive; 1/3 HP @120/240VAC; 345VA. Same polarity.

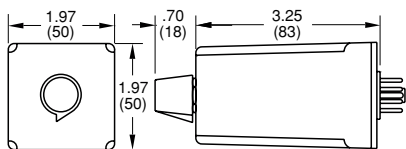
**Expected Mechanical Life:** 10 million operations.

**Expected Electrical Life:** 500,000 operations, min., at rated resistive load.

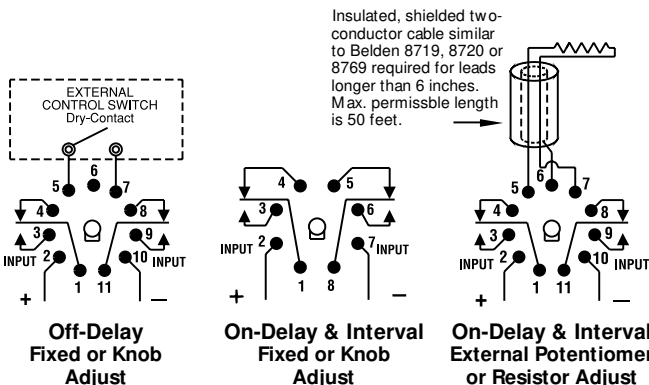
### Initial Dielectric Strength

**Between Terminals and Case:** 1,000VAC plus twice the nominal voltage for one minute.

### Outline Dimensions



### Wiring Diagrams (Bottom Views)



### Input Data @25°C

**Voltage:** See Ordering Information section for details.

**Power Requirement:** 3W, max.

**Transient Protection:** Non-repetitive transients of the following magnitudes will not cause spurious operation of affect function and accuracy.

Operating Voltage	<0.1 ms	<1 ms
All except 12 & 24	3,000V	2,500
12 & 24	Consult Factory	

### Environmental Data

**Temperature Range:**

**Storage:** SCB and SCC: -40°C to +85°C.

**Operating:** SCB: -30°C to +65°C; SCC: -30°C to +50°C.

### Mechanical Data

**Mounting/Termination:**

SCB: UL recognized. Optional 8- or 11-pin octal-type sockets may be ordered separately.

SCC: 8- or 11-pin octal type sockets supplied with timer. (Must be used to qualify as "UL Listed" device.)

**Weight:** SCB: 5.3 oz. (149g) approx.; SCC: 7.5 oz. (210g) approx.

### Ordering Information (All "X"s must be included to complete part number)

SCB	RX	01	2XX	A	A	XA
Series SCB	Operating Mode					Timing Range
Series SCC	01 = On-Delay					A = 0.1 to 3 sec.
Discrete	02 = Off-Delay					B = 0.5 to 15 sec.
Industrial	03 = Interval					C = 1 to 30 sec.
Timer						D = 2 to 60 sec.
			Output			E = 4 to 120 sec.
			2XX = DPDT			F = 6 to 180 sec.
			Relay			G = 10 to 300 sec.
						I = 2 to 60 min.
						K = 3 to 180 cycles
						L = 0.33 to 10 min.
						M = 0.5 to 15 min.
						N = 1 to 30 min.
						P = 0.1 to 10 min.
<b>Mounting Series SCB</b>						
RX = 8- or 11-pin socket (order separately)						
<b>Mounting Series SCC</b>						
LA = 8-pin socket p/n BCSA08SC for operating mode 01 or 03 with knob adjust or fixed time.						
LC = 11-pin socket p/n BCSA11SC for operating mode 02; or 01 or 03 with external potentiometer or resistor.						
	<b>Operating Voltage (+10%, -15%)</b>					<b>Timing Adjustment</b>
	A = 120VAC, 50/60 Hz. / 120VDC					XA = Knob Adjust
	B = 240VAC, 50/60 Hz.					XB = External Potentiometer or resistor (Operating modes 1 and 3 only).
	E = 24VAC, 50/60 Hz. / 24VDC					XF = Fixed Times – Specify time delay in seconds per the following examples:
	F = 48VAC, 50/60 Hz. / 48VDC					XF9.000 = 9 sec.
	Q = 12VDC					XF99.00 = 99 sec.
						XF999.0 = 9999 sec.
						XF1000 = 1000 sec.

### Authorized distributors are likely to stock the following:

None at present.